

Title (en)
PROCESS FOR COATING ELECTRICALLY CONDUCTIVE SUBSTRATES AND AQUEOUS CATHODICALLY PRECIPITABLE ELECTRO-DIPCOAT ENAMEL.

Title (de)
VERFAHREN ZUM BESCHICHTEN ELEKTRISCH LEITFÄHIGER SUBSTRATE UND KATHODISCH ABSCHIEDBARER WÄSSRIGER ELEKTROTAUHLACK.

Title (fr)
PROCEDE D'ENDUCTION DE SUBSTRATS ELECTROCONDUCTEURS ET VERNIS AQUEUX DE TREMPAGE ELECTROPHORETIQUE CATHODIQUEMENT PRECIPITABLE.

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Application
EP 91908693 A 19910425

Priority
• DE 4015703 A 19900516
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Abstract (en)
[origin: WO9118063A1] Aqueous electro-dipcoat enamels are disclosed, having 2 to 10 wt. % of an anti-corrosive pigment based on zinc silicate associated with 1 to 15 wt.% of a finely divided quartz or cristobalite powder coated with epoxysilane or aminosilane, the percentages in weight referring to the total non-volatile matter in the electro-dipcoat enamel. The anti-corrosive pigment is produced by melting 35 to 65 wt. % of ZnO, 15 to 35 wt. % of SiO₂? and 0 to 20 wt. % of B₂O₃? and/or 0 to 20 wt. % WO₃? and/or 0 to 20 wt. % MoO₃? and/or 0 to 20 wt % SnO₂?. All components are melted together, so that the sum of all weight percentages always equals 100 wt. %, whereas at least one of the above-mentioned oxides is used, besides ZnO and SiO₂?.

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IPC 8 full level
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CPC (source: EP KR US)
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